

Proposed Claim Amendment

1. A liquid crystal display device comprising a pair of substrates as disposed to spatially oppose each other with a layer of liquid crystal material interposed therebetween and a seal material used for adhesion of one of the substrates to a remaining substrate, said seal material also having a function of encapsulating the liquid crystal material, wherein
more than one projection body is photolithographically formed to be precisely dispersed and buried within said seal material [so as to provide] in a predetermined shape thereof[, and said projection body is formed] at a desired location on either of said substrates.

Revised Translation

[0015] At first, the composition of the liquid crystal display element according to this embodiment is explained. The liquid crystal display element 1, as shown in Fig. 2, has a pair of glass substrates 2·2 facing each other with a seal section 5 at the periphery, a liquid crystal 6 and a spacer 7 enclosed between the substrates 2·2 and polarizing plates 8·8 which are placed outside of the substrates 2·2. Moreover, transparent-electrode films 3·3, which consist of a plurality of parallel band-like ITO films, are formed on the inner sides of the substrates 2·2, respectively in the configuration which cross each other by the upper part side and the lower part side. The orientation films 4·4 are adhered with a wrapping configuration on these transparent-electrode films 3·3. And, although not illustrated, the inlet, which is an opening prepared for pouring in the liquid crystal 6 of the liquid crystal display element 1, is closed by UV resin, and a wall mentioned later, a buffer section which is a buffer means, and island sections which are partition sections respectively formed near the inlet.

[0017] Next, a seal section 5 is formed by a sealant (sealant: Mitsui Toatsu XN-21S; spacer in sealant: KAO ES-106 (6.06 μ m) mixture 2wt%) in the periphery of the substrate 2 by printing the seal portion on the orientation film 4-4 on the surface of the substrate 2 while forming the wall 9, the buffer section 10, and the island section 11-11 near the inlet 5a of the seal section 5.